

ABSTRACT OF THE DISCLOSURE

The invention provides a battery with a protection circuit that is capable of preventing malfunction of the protection circuit securely by improving the shielding effect of a shield member that covers the protection circuit. A substrate is provided on an upper surface of a power source comprising two batteries, and a detection circuit and a protection switch are provided on the substrate. The detection circuit detects overcharge and over-discharge of the batteries, and the detection circuit controls the protection switch. When overcharging, over-discharging, or overcurrent is detected, charging or discharging of the batteries is shut down. The detection circuit and the protection switch are covered with the shield member with interposition of an insulating member. The shield member is connected to a - terminal with solder, and connected to a negative electrode of the battery with interposition of the insulating member in a high frequency fashion.